12-3.13812
4-30-08

Columbia Ridge Landfill

18177 Cedar Springs Lane, Arlington Oregon 97812

Profile # 489668

PERMIT TO DISPOSE OF NON-HAZARDOUS MATERIALS

This permit authorizes disposal of Customer's waste materials in accordance with the Industrial Waste & Disposal Services Agreement dated ____*3/04*_____.

EXPIRES: 8/10/09

GENERATOR: LONGVIEW FIBER COMPANY	
DESCRIPTION: *INDUSTRIAL SLUDGE - BECKART WATER TREATMENT CAKE, CORRUGATOR STARCH SLUDGE, FLEXO INK SLUDGE*	VOLUME: *250 tons/yr*
☒SPECIAL WASTE ☐PCS ☐CLEAN-UP MATERIAL	
LOCATION: *SEATTLE, WASHINGTON*	COUNTY: *King*
CONTACT: *LARRY BRILL*	PHONE: *206-762-7170*
	FAX : *206-767-2442*

BILLING: *Landfill account LONGVIEW FIBER COMPANY*	PO#: *N/A*	JOB#: *N/A*

TYPE OF DISPOSAL/ SPECIAL HANDLING/LOAD TYPE: *BULK, ADC, NO FREE LIQUIDS*

****

ALL LOADS MUST BE SCHEDULED 24 HOURS IN ADVANCE.
CONTACT GREG AT 541-454-3220 OR JULIE AT 541-454-3310

APPROVED: KC *KRISTIN CASTNER* DATE: *04/30/08 2:10:08 PM*

A COPY OF THIS PERMIT MUST BE SHOWN BY EACH DRIVER

WASTE MANAGEMENT

USEPA SF
1256789

Columbia Ridge Landfill

18177 Cedar Springs Lane, Arlington Oregon 97812

Profile # 489668

PERMIT TO DISPOSE OF NON-HAZARDOUS MATERIALS

This permit authorizes disposal of Customer's waste materials in accordance with the Industrial Waste & Disposal Services Agreement dated ___*3/04*_____.

EXPIRES: 8/10/08

GENERATOR: LONGVIEW FIBER COMPANY	
DESCRIPTION:*INDUSTRIAL SLUDGE - BECKART WATER TREATMENT CAKE, CORRUGATOR STARCH SLUDGE, FLEXO INK SLUDGE*	VOLUME:*250 tons/yr*
☒SPECIAL WASTE ☐PCS ☐CLEAN-UP MATERIAL	
LOCATION: *SEATTLE, WASHINGON*	COUNTY:* *King*
CONTACT: *LARRY*	PHONE: *206-762-7170*
	FAX : *206-767-2442*
Recertification: ☐Yes ☐No	

BILLING: *LONGVIEW FIBER COMPANY*	PO#: *N/A*	JOB#: *N/A*

TYPE OF DISPOSAL/ SPECIAL HANDLING/LOAD TYPE:
BULK, ADC, NO FREE LIQUIDS

****

ALL LOADS MUST BE SCHEDULED 24 HOURS IN ADVANCE.
CONTACT GREG AT 541-454-3220 OR JULIE AT 541-454-3310

SALES PERSON: MK TyT MB MH KN FD MW AK

APPROVED: JB *JOAN BARTZ* DATE: *10/11/07 4:39:51 PM*

A COPY OF THIS PERMIT MUST BE SHOWN BY EACH DRIVER

WASTE MANAGEMENT

Fax: Oct 11 2007 04:29pm P001/001

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	2567
CONNECTION TEL	15034937822
SUBADDRESS	
CONNECTION ID	
ST. TIME	04/30 13:36
USAGE T	00'24
PGS. SENT	2
RESULT	OK

FAXED

Longview Fibre
Paper and Packaging, Inc.
Value-Added Products • Sustainable Forestry

FAX COVER SHEET

Date: 4-30-08

From: Larry Gentile

E-mail Address: lrgentile@longfibre.com

To: Kristin Castner

Company: Waste Management

Fax Number: 503-493-7822

Total Number of Pages (including this Cover Sheet): _____

Please ( ) call/E-mail ( ) do not call/E-mail to confirm receipt of this fax.

If you did not, or suspect that you did not receive all of the pages indicated, please call 206-762-7170 and ask for the sender of this fax.

☐ **Urgent** ☒ **For Review** ☐ **Please Comment** ☐ **Please Reply** ☐ **Please Recycle**

Subject: Permit Renewal

re: Permit No. 48944

Longview Fibre
Paper and Packaging, Inc.
Value-Added Products • Sustainable Forestry

FAX COVER SHEET

Date:	4-30-08
From:	LARRY GENTILE
E-mail Address:	lrgentile @ longfibre.com
To:	Kristin CASTNER
Company:	WASTE MANAGEMENT
Fax Number:	503-493-7822

Total Number of Pages (including this Cover Sheet): _____

Please ( ) call/E-mail ( ) do not call/E-mail to confirm receipt of this fax.

If you did not, or suspect that you did not receive all of the pages indicated, please call 206-762-7170 and ask for the sender of this fax.

☐ **Urgent** ☒ **For Review** ☐ **Please Comment** ☐ **Please Reply** ☐ **Please Recycle**

Subject: PERMIT RENEWAL

Message: RE PERMIT NO 489668

SEE ATTACHMENT - IF QUESTIONS, CALL ME

REGARDS

— L

5901 East Marginal Way South Seattle, WA 98134 • P.O. Box 24867 Seattle, WA 98124
Phone (206) 762-7170 • Fax (206) 767 2442 • www.longviewfibre.com
Longview Fibre Paper and Packaging, Inc. • a subsidiary of Longview Fibre Company

WM
WASTE MANAGEMENT

Columbia Ridge Landfill Generator's Recertification

Permit Number: 489668

	YES	NO	N/A
1. Is the waste represented by this waste profile sheet a "Hazardous Waste" as defined by the USEPA, Canadian, Mexican, and/or State, Providence regulation, in the location where generated or ultimately managed?		X	
2. Does the waste represented by this waste profile sheet contain regulated radioactive material or regulated concentration of Polychlorinated Biphenyls (PCB's)?		X	
3. Does this waste profile sheet and all attachments contain true and accurate descriptions of the waste material?	X		
4. Has all the relevant information within the possession of the Generator regarding known or suspected hazards pertaining to the waste been disclosed to the Contractor?	X		
5. Is the analytical data attached hereto derived from testing a representative sample in accordance with 40 CFR 260.21 or equivalent rules?			X
6. Will all changes that occur in the character of the waste be identified by the Generator and disclosed to the Contractor prior to providing the waste to the Contractor?	X		
7. Has the process generating the waste been changed for the above referenced profile?		X	

Generators Signature: Larry Brill Title: General Manager

Name (type or print): Larry Brill

Company Name: Longview Fibre Paper & Packaging Inc Date: 4/30/08

Waste Management Decision

Precautions, Special Handling: _____

Waste Approval Managers Signature: _____ Date: _____

Please note any changes to contact names, phone or fax in the space below

_____

_____

_____

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	1904
CONNECTION TEL	15034937822
SUBADDRESS	
CONNECTION ID	
ST. TIME	05/19 13:22
USAGE T	00'43
PGS. SENT	3
RESULT	OK

FAXED

Longview Fibre
Paper and Packaging, Inc.
Value-Added Products • Sustainable Forestry

Fax

To:	Kristin Castner	**From:**	Larry Gentile -Project Engineer -Safety/Environmental Coordinator
Company:	Waste Management	**Date:**	May 19, 2007
Phone:		**Pages:**	3 (including cover sheet)
Fax:	509-493-7822	**CC:**	file

☐ **Urgent** ☑ **For Review** ☐ **Please Comment** ☑ **Please Reply** ☐ **Please Recycle**

Good Afternoon.

Attached is your re-certification application you faxed to Mike Anderson last week. I will be assuming Mike's duties in the future as it relates to our environmental program. If after review you see that you need more information aside from what I am sending, please do not hesitate to call and ask.

Regards,

Longview Fibre
Paper and Packaging, Inc.
Value-Added Products • Sustainable Forestry

Fax

To:	Kristin Castner	**From:**	Larry Gentile -Project Engineer -Safety/Environmental Coordinator
Company:	Waste Management	**Date:**	May 19, 2007
Phone:		**Pages:**	3 (including cover sheet)
Fax:	509-493-7822	**CC:**	file

☐ **Urgent** ☑ **For Review** ☐ **Please Comment** ☑ **Please Reply** ☐ **Please Recycle**

Good Afternoon.

Attached is your re-certification application you faxed to Mike Anderson last week. I will be assuming Mike's duties in the future as it relates to our environmental program. If after review you see that you need more information aside from what I am sending, please do not hesitate to call and ask.

Regards,

Columbia Ridge Landfill Generator's Recertification

Permit Number: 489668

		YES	NO	N/A
1.	Is the waste represented by this waste profile sheet a "Hazardous Waste" as Defined by USEPA, Canadian, Mexican and/or state/providence regulation, in the location where generated or ultimately managed?		X	
2.	Does the waste represented by this waste profile sheet contain regulated radioactive material or regulated concentration of Polycholrinated Biphenyl's (PCB's).		X	
3.	Does this waste profile sheet and all attachments contain true and accurate descriptions of the waste material?	X		
4.	Has all relevant information within the possession of the Generator regarding known or suspected hazards pertaining to the waste been disclosed to the Contractor?	X		
5.	Is the analytical data attached hereto derived from testing a representative sample in accordance with 40 CFR 261.209(c) or equivalent rules?	X		
6.	Will all changes that in occur in the character of the waste be identified by the Generator and disclosed to the Contractor prior to providing the waste to the Contractor?	X		
7.	Has the process generating the waste been changed for the above referenced profile?		X	

Generators Signature: X [signature] Title: X VP Production West Regio.

Name(Type or Print): X P. L. Bruce

Company Name: X Longview Fibre Paper & Pulp Date: X 5/19/07

Waste Management Decision

Precautions, Special Handling: _____

Special Waste Decisions: _____

Environmental Specialist Signature: _____ Date: _____

Please note any changes to contact names, phone or fax number in space below

Larry R. Gentile
Project Engineer/
Site Safety
Coordinator

Longview Fibre Company
P.O. Box 24867 (98124)
5901 E. Marginal Way S.
Seattle, WA 98134
Direct: (206) 762-7171 x267
Main: (206) 762-7170
Cell: (206) 793-9787
Fax: (206) 767-2442
lrgentile@longfibre.com
www.longviewfibre.com

CONTAINER GROUP

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Longview Fibre Paper & Packaging Inc	**Service Request:**	K0608380
Project:	Seattle Waste Charac		
Sample Matrix:	Sludge, solid		

Total Solids

Prep Method:	NONE	**Units:**	PERCENT
Analysis Method:	160.3M	**Basis:**	Wet
Test Notes:			

Sample Name	Lab Code	Date Collected	Date Received	Date Analyzed	Result	Result Notes
Flexo Ink Sludge	K0608380-001	09/20/2006	09/29/2006	10/04/2006	80.8	
Beckart Water Treatment Cake	K0608380-002	09/20/2006	09/29/2006	10/04/2006	46.0	
Corrugator Starch Sludge	K0608380-003	09/20/2006	09/29/2006	10/04/2006	32.9	

WASTE MANAGEMENT, INC ....NON HAZARDOUS WASTE DISPOSAL SOLUTIONS FOR THE PACIFIC NORTHWEST

Columbia Ridge Landfill

18177 Cedar Springs Lane, Arlington Oregon 97812

Profile # 489668

PERMIT TO DISPOSE OF NON-HAZARDOUS MATERIALS

This permit authorizes disposal of Customer's waste materials in accordance with the Industrial Waste & Disposal Services Agreement dated *3/04*.

EXPIRES: 7/6/07

GENERATOR: *LONGVIEW FIBER COMPANY*

DESCRIPTION: *INDUSTRIAL SLUDGE - BECKART WATER TREATMENT CAKE, CORRUGATOR STARCH SLUDGE, FLEXO INK SLUDGE*	VOLUME: *250 tons/yr*
☒ SPECIAL WASTE ☐ PCS ☐ CLEAN-UP MATERIAL	
LOCATION: *SEATTLE, WASHINGON*	COUNTY:* *King*
CONTACT: *MIKE ANDERSON*	PHONE: *206-762-7170*
	FAX : *206-767-2442*
Recertification: ☒ Yes ☐ No	

BILLING: *LONGVIEW FIBER COMPANY*	PO#: *N/A*	JOB#: *N/A*

TYPE OF DISPOSAL/ SPECIAL HANDLING/LOAD TYPE:
BULK, ADC, NO FREE LIQUIDS

****

ALL LOADS MUST BE SCHEDULED 24 HOURS IN ADVANCE.
CONTACT GREG AT 541-454-3220 OR JULIE AT 541-454-3310

SALES PERSON: MK TyT MB MH KN FD MW AK

APPROVED: JB *JOAN BARTZ* DATE: *07/06/05 11:09:37 AM*

A COPY OF THIS PERMIT MUST BE SHOWN BY EACH DRIVER

WASTE MANAGEMENT

WASTE MANAGEMENT

Columbia Ridge, Hillsboro, Riverbend, Graham Road, Capitol, Wenatchee, Alaska Street

Columbia Ridge Landfill
18177 Cedar Springs Lane
Arlington, Oregon 97812

May 11, 2007

Permit Renewal Notice

To: Mike Anderson
Fax #: 208-767-2442

From: Kristin Castner – Waste Management
Fax #: 503-493-7822

Total Pages Including Cover Sheet – 2
Permit #: 4891d08

Your permit to dispose at Columbia Ridge Landfill is expiring or has expired. If analytical or an MSDS was supplied with the original application, Waste Management is requiring updated analytical or MSDS information. If you are submitting updated analytical information please include the QA/QC data and Chain of Custody. Also if there is any change to the waste stream, please contact me at (503) 493-7834, to discuss any additional analysis that may be required to renew the permit for another year.

Please fax the renewal back to Kristin at (503) 493-7822.

Thank you,

Kristin Castner
Waste Approval Manager – PNW
Waste Management, Inc.

Seattle's Monitoring well Results					
			(PPM)		
Date	Location	Gasoline	Diesel	Lube Oil (Residual)	
5/1/1999	Loading Dock	NR	1.36	2.53	
	West Parking Lot	NR	5.94	0.98	
3/1/2000	Loading Dock	NR	4.00	ND	
	West Parking Lot	NR	160.00	10.00	
6/01/2000	Loading Dock	NR	3.00	0.98	
	West Parking Lot	NR	77.00	3.00	
9/01/2000	Loading Dock	NR	ND	ND	
	West Parking lot	NR	14.00	1.30	
11/1/2000	Loading Dock	0.56	2.70	1.50	
	West Parking Lot	ND	130.00	9.70	
2/01/2001	Loading Dock	0.20	3.30	1.40	
	West Parking Lot	14.00	67.00	7.50	
5/01/2001	Loading Dock	ND	1.90	0.93	
	West Parking lot	6.70	39.00	4.20	
9/01/2001	Loading Dock	0.20	3.10	2.00	
	West Parking Lot	5.60	280.00	2.60	
12/1/2001	Loading Dock	ND	2.10	3.00	
	West Parking lot	14.00	92.00	8.90	
2/1/2002	N. Loading Dock	NR	2.20	1.60	
	West Parking lot	NR	52.0	6.40	
5/1/2002	N. Loading Dock	NR	4.50	2.00	
	West Parking lot	NR	35.0	4.30	
7/01/2002	N. Loading Dock	NR	2.0	0.96	
	West Parking Lot	NR	66.0	8.60	
12/1/2002	N. Loading Dock	NR	4.1	2.00	
	West Parking Lot	NR	41.0	5.80	
3/10/2003	West Parking Lot	NR	6.2	1.10	
9/8/2004	N. Loading Dock		1.8	5.3	
	West Parking Lot		23.0	4.8	
8/29/2005	N. Loading Dock	NR	1.3	3.0	
	West Parking Lot		26.0	3.4	
9/26/2006	N. Loading Dock	NR	2.2	2.2	
	West Parking Lot		30.0	4.6	

Groundwater Shift to Quarterly 0.5 ppm

WAC 173-340-900 Tables.

Table 720-1
Method A Cleanup Levels for Ground Water.[a]

Hazardous Substance	CAS Number	Cleanup Level
Arsenic	7440-38-2	5 ug/liter[b]
Benzene	71-43-2	5 ug/liter[c]
Benzo(a)pyrene	50-32-8	0.1 ug/liter[d]
Cadmium	7440-43-9	5 ug/liter[e]
Chromium (Total)	7440-47-3	50 ug/liter[f]
DDT	50-29-3	0.3 ug/liter[g]
1,2 Dichloroethane (EDC)	107-06-2	5 ug/liter[h]
Ethylbenzene	100-41-4	700 ug/liter[i]
Ethylene dibromide (EDB)	106-93-4	0.01 ug/liter[j]
Gross Alpha Particle Activity		15 pCi/liter[k]
Gross Beta Particle Activity		4 mrem/yr[l]
Lead	7439-92-1	15 ug/liter[m]
Lindane	58-89-9	0.2 ug/liter[n]
Methylene chloride	75-09-2	5 ug/liter[o]
Mercury	7439-97-6	2 ug/liter[p]
MTBE	1634-04-4	20 ug/liter[q]
Naphthalenes	91-20-3	160 ug/liter[r]
PAHs (carcinogenic)		See benzo(a)pyrene[d]
PCB mixtures		0.1 ug/liter[s]
Radium 226 and 228		5 pCi/liter[t]
Radium 226		3 pCi/liter[u]
Tetrachloroethylene	127-18-4	5 ug/liter[v]
Toluene	108-88-3	1,000 ug/liter[w]
Total Petroleum Hydrocarbons[x]		
Note: Must also test for and meet cleanup levels for other petroleum components—see footnotes!]		
Gasoline Range Organics		
Benzene present in ground water		800 ug/liter
No detectable benzene in ground water		1,000 ug/liter
Diesel Range Organics		500 ug/liter
Heavy Oils		500 ug/liter
Mineral Oil		500 ug/liter
1,1,1 Trichloroethane	71-55-6	200 ug/liter[y]
richloroethylene	79-01-6	5 ug/liter[z]
inyl chloride	75-01-4	0.2 ug/liter[aa]
ylenes	1330-20-7	1,000 ug/liter[bb]

Footnotes:

a **Caution on misusing this table.** This table has been developed for specific purposes. It is intended to provide conservative cleanup levels for drinking water beneficial uses at sites undergoing routine cleanup actions or those sites with relatively few hazardous substances. This table may not be appropriate for defining cleanup levels at other sites. For these reasons, the values in this table should not automatically be used to define cleanup levels that must be met for financial, real estate, insurance coverage or placement, or similar transactions or purposes. Exceedances of the values in this table do not necessarily mean the ground water must be restored to those levels at all sites. The level of restoration depends on the remedy selected under WAC 173-340-350 through 173-340-390.

b **Arsenic.** Cleanup level based on background concentrations for state of Washington.

c **Benzene.** Cleanup level based on applicable state and federal law (WAC 246-290-310 and 40 C.F.R. 141.61).

d **Benzo(a)pyrene.** Cleanup level based on applicable state and federal law (WAC 246-290-310 and 40 C.F.R. 141.61), adjusted to a 1×10^{-5} risk. If other carcinogenic PAHs are suspected of being present at the site, test for them and use this value as the total concentration that all carcinogenic PAHs must meet using the toxicity equivalency methodology in WAC 173-340-708(8).

e **Cadmium.** Cleanup level based on applicable state and federal law (WAC 246-290-310 and 40 C.F.R. 141.62).

f **Chromium (Total).** Cleanup level based on concentration derived using Equation 720-1 for hexavalent chromium. This is a total value for chromium III and chromium VI. If just chromium III is present at the site, a cleanup level of 100 ug/l may be used (based on WAC 246-290-310 and 40 C.F.R. 141.62).

g **DDT (dichlorodiphenyltrichloroethane).** Cleanup levels based on concentration derived using Equation 720-2.

h **1,2 Dichloroethane (ethylene dichloride or EDC).** Cleanup level based on applicable state and federal law (WAC 246-290-310 and 40 C.F.R. 141.61).

i **Ethylbenzene.** Cleanup level based on applicable state and federal law (WAC 246-290-310 and 40 C.F.R. 141.61).

j **Ethylene dibromide (1,2 dibromoethane or EDB).** Cleanup level based on concentration derived using Equation 720-2, adjusted for the practical quantitation limit.

k **Gross Alpha Particle Activity, excluding uranium.** Cleanup level based on applicable state and federal law (WAC 246-290-310 and 40 C.F.R. 141.15).

l **Gross Beta Particle Activity, including gamma activity.** Cleanup level based on applicable state and federal law (WAC 246-290-310 and 40 C.F.R. 141.15).

m **Lead.** Cleanup level based on applicable state and federal law (40 C.F.R. 141.80).

n **Lindane.** Cleanup level based on applicable state and federal law (WAC 246-290-310 and 40 C.F.R. 141.61).

o **Methylene chloride (dichloromethane).** Cleanup level based on applicable state and federal law (WAC 246-290-310 and 40 C.F.R. 141.61).

p **Mercury.** Cleanup level based on applicable state and federal law (WAC 246-290-310 and 40 C.F.R. 141.62).

q **Methyl tertiary-butyl ether (MTBE).** Cleanup level based on federal drinking water advisory level (EPA-822-F-97-009, December 1997).

r **Naphthalenes.** Cleanup level based on concentration derived using Equation 720-1. This is a total value for naphthalene, 1-methyl naphthalene and 2-methyl naphthalene.

s **PCB mixtures.** Cleanup level based on concentration derived using Equation 720-2, adjusted for the practical quantitation limit. This cleanup level is a total value for all PCBs.

t **Radium 226 and 228.** Cleanup level based on applicable state and federal law (WAC 246-290-310 and 40 C.F.R. 141.15).

u **Radium 226.** Cleanup level based on applicable state law (WAC 246-290-310).

1317 South 13th Avenue P.O. Box 479 Kelso, Washington 98626 (360) 577-7222 (360) 636-1068 fax

Columbia Analytical Services INC
An Employee - Owned Company

November 3, 2006 Service Request No: K0608380

Mike Anderson
Longview Fibre Paper & Packaging Inc
5901 East Marginal Way South
Seattle, WA 98124

RE: Seattle Waste Characterization

Dear Mike:

Enclosed are the results of the sample(s) submitted to our laboratory on September 29, 2006. For your reference, these analyses have been assigned our service request number K0608380.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAC standards. Exceptions are noted in the case narrative report where applicable. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 3291. You may also contact me via Email at EWallace@kelso.caslab.com.

Respectfully submitted,

Columbia Analytical Services, Inc.

Ed Wallace

Ed Wallace
Project Chemist

EW/lmb

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.

Metals Data Qualifiers

#	The control limit criteria is not applicable. See case narrative.
B	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
E	The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.
*	The duplicate analysis not within control limits. See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a chromatographic interference.
X	See case narrative.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Longview Fibre Paper & Packaging Inc	**Service Request:**	K0608380
Project:	Seattle Waste Characterization	**Date Collected:**	9/20/2006
Sample Matrix:	Sludge, solid	**Date Received:**	9/29/2006

Total Volatile Solids

Prep Method:	NONE	Units:	Percent
Analysis Method:	160.4M	Basis:	Dry
Test Notes:			

Sample Name	Lab Code	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Flexo Ink Sludge	K0608380-001	-	1	NA	10/4/2006	47.6	
Beckart Water Treatment Cake	K0608380-002	-	1	NA	10/4/2006	87.2	
Corrugator Starch Sludge	K0608380-003	-	1	NA	10/4/2006	95.1	

M Modified.

Approved By: _____ Date: 10/9/06

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Longview Fibre Paper & Packaging Inc
Project: Seattle Waste Characterization
Sample Matrix: Sludge, solid

Service Request: K0608380
Date Collected: 9/20/2006
Date Received: 9/29/2006
Date Extracted: NA
Date Analyzed: 10/4/2006

Duplicate Summary
Inorganic Parameters

Sample Name:
Lab Code: K0608380-003DUP
Test Notes:

Units: Percent
Basis: Dry

Analyte	Prep Method	Analysis Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Total Volatile Solids	NONE	160.4M	-	95.1	94.8	95.0	< 1	*

Approved By: _____ Date: 10/9/06

DUP/020597p
K0608380WET.CS1 - DUP 10/9/2006

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Longview Fibre Paper & Packaging Inc	**Service Request:**	K0608380
Project:	Seattle Waste Charac	**Date Collected:**	09/20/2006
Sample Matrix:	Sludge, solid	**Date Received:**	09/29/2006
		Date Analyzed:	10/04/2006

Duplicate Sample Summary
Total Solids

Prep Method:	NONE	**Units:**	PERCENT
Analysis Method:	160.3M	**Basis:**	Wet
Test Notes:			

Sample Name	Lab Code	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Corrugator Starch Sludge	K0608380-003	32.9	30.8	31.9	7	

00007

COLUMBIA ANALYTICAL SERVICES, INC.

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client : Longview Fibre Paper & Packaging Inc
Project Name : Seattle Waste Characterization
Project No. : NA

Service Request : K0608380

Sample Name :	Lab Code :
Flexo Ink Sludge	K0608380-001
Beckart Water Treatment Cake	K0608380-002
Corrugator Starch Sludge	K0608380-003
Method Blank	K0608380-MB

Comments:

Approved By: _____ Date: 11/22/06

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COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	Longview Fibre Paper & Packaging Inc	**Service Request :**	K0608380
Project Name :	Seattle Waste Characterization	**Date Collected :**	09/20/06
Project No. :	NA	**Date Received :**	09/29/06
Matrix :	Sludge	**Date Extracted :**	10/04-06/06

Total Metals

Sample Name :	Flexo Ink Sludge	**Units :**	mg/Kg (ppm)
Lab Code :	K0608380-001	**Basis :**	Dry

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Arsenic	7060A	1	10/05/06	ND	
Barium	6010B	1	10/06/06	67	
Cadmium	6010B	1	10/06/06	ND	
Chromium	6010B	2	10/06/06	32	
Copper	6010B	2	10/06/06	14200	
Lead	7421	1	10/31/06	4.7	
Mercury	7471A	0.02	10/12/06	ND	
Selenium	7740	1	10/06/06	ND	
Silver	6010B	2	10/06/06	ND	
Zinc	6010B	2	10/06/06	4550	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	Longview Fibre Paper & Packaging Inc	**Service Request :**	K0608380
Project Name :	Seattle Waste Characterization	**Date Collected :**	09/20/06
Project No. :	NA	**Date Received :**	09/29/06
Matrix :	Sludge	**Date Extracted :**	10/04-06/06

Total Metals

Sample Name :	Beckart Water Treatment Cake	**Units :**	mg/Kg (ppm)
Lab Code :	K0608380-002	**Basis :**	Dry

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Arsenic	7060A	2	10/05/06	ND	
Barium	6010B	2	10/06/06	38	
Cadmium	6010B	2	10/06/06	ND	
Chromium	6010B	4	10/06/06	ND	
Copper	6010B	4	10/06/06	3940	
Lead	7421	2	10/31/06	ND	
Mercury	7471A	0.02	10/12/06	ND	
Selenium	7740	2	10/06/06	ND	
Silver	6010B	4	10/06/06	ND	
Zinc	6010B	4	10/06/06	999	

Comments:

00010

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	Longview Fibre Paper & Packaging Inc	**Service Request :**	K0608380
Project Name :	Seattle Waste Characterization	**Date Collected :**	09/20/06
Project No. :	NA	**Date Received :**	09/29/06
Matrix :	Sludge	**Date Extracted :**	10/04-06/06

Total Metals

Sample Name :	Corrugator Starch Sludge	**Units :**	mg/Kg (ppm)
Lab Code :	K0608380-003	**Basis :**	Dry

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Arsenic	7060A	1	10/05/06	ND	
Barium	6010B	1	10/06/06	ND	
Cadmium	6010B	1	10/06/06	ND	
Chromium	6010B	2	10/06/06	ND	
Copper	6010B	2	10/06/06	3.8	
Lead	7421	1	10/31/06	ND	
Mercury	7471A	0.02	10/12/06	ND	
Selenium	7740	1	10/06/06	ND	
Silver	6010B	2	10/06/06	ND	
Zinc	6010B	2	10/06/06	5.4	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	Longview Fibre Paper & Packaging Inc	**Service Request :**	K0608380
Project Name :	Seattle Waste Characterization	**Date Collected :**	NA
Project No. :	NA	**Date Received :**	NA
Matrix :	Sludge	**Date Extracted :**	10/04-06/06

Total Metals

Sample Name :	Method Blank	**Units :**	mg/Kg (ppm)
Lab Code :	K0608380-MB	**Basis :**	Dry

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Arsenic	7060A	1	10/05/06	ND	
Barium	6010B	1	10/06/06	ND	
Cadmium	6010B	1	10/06/06	ND	
Chromium	6010B	2	10/06/06	ND	
Copper	6010B	2	10/06/06	ND	
Lead	7421	1	10/31/06	ND	
Mercury	7471A	0.02	10/12/06	ND	
Selenium	7740	1	10/06/06	ND	
Silver	6010B	2	10/06/06	ND	
Zinc	6010B	2	10/06/06	ND	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Service Request : K0608380

Client : Longview Fibre Paper & Packaging Inc
Project Name : Seattle Waste Characterization
Project No. : NA

Sample Name :	Lab Code :
Flexo Ink Sludge	K0608380-001
Beckart Water Treatment Cake	K0608380-002
Corrugator Starch Sludge	K0608380-003
Corrugator Starch Sludge	K0608380-003S
Method Blank	K0608380-MB

Comments:

Approved By: _____ Date: 11/02/06

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	Longview Fibre Paper & Packaging Inc	**Service Request :**	K0608380
Project Name :	Seattle Waste Characterization	**Date Collected :**	09/20/06
Project Number :	NA	**Date Received :**	09/29/06
Matrix :	Sludge	**Date TCLP Performed :**	10/02/06
		Date Extracted :	10/03-23/06
		Date Analyzed :	10/06-24/06

Toxicity Characteristic Leaching Procedure (TCLP)
EPA Method 1311
Metals
Units: mg/L (ppm) in TCLP Extract

Sample Name : Flexo Ink Sludge
Lab Code : K0608380-001

Analyte	EPA Method	MRL	Regulatory Limit *	Sample Result	Result Notes
Arsenic	3010A/6010B	0.1	5	ND	
Barium	3010A/6010B	1.0	100	ND	
Cadmium	3010A/6010B	0.01	1	ND	
Chromium	3010A/6010B	0.01	5	ND	
Copper	3010A/6010B	0.05	-	22.0	
Lead	3010A/6010B	0.05	5	ND	
Mercury	7470A	0.001	0.2	ND	
Selenium	3010A/6010B	0.1	1	ND	
Silver	3010A/6010B	0.02	5	ND	
Zinc	3010A/6010B	0.5	-	23.0	

* From 40 CFR Part 261, et al., and Federal Register, March 29, 1990 and June 29, 1990.

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COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	Longview Fibre Paper & Packaging Inc	**Service Request :**	K0608380
Project Name :	Seattle Waste Characterization	**Date Collected :**	09/20/06
Project Number :	NA	**Date Received :**	09/29/06
Matrix :	Sludge	**Date TCLP Performed :**	10/02/06
		Date Extracted :	10/03-23/06
		Date Analyzed :	10/06-24/06

Toxicity Characteristic Leaching Procedure (TCLP)
EPA Method 1311
Metals
Units: mg/L (ppm) in TCLP Extract

Sample Name : Beckart Water Treatment Cake
Lab Code : K0608380-002

Analyte	EPA Method	MRL	Regulatory Limit *	Sample Result	Result Notes
Arsenic	3010A/6010B	0.1	5	ND	
Barium	3010A/6010B	1.0	100	1.5	
Cadmium	3010A/6010B	0.01	1	ND	
Chromium	3010A/6010B	0.01	5	ND	
Copper	3010A/6010B	0.05	-	5.7	
Lead	3010A/6010B	0.05	5	ND	
Mercury	7470A	0.001	0.2	ND	
Selenium	3010A/6010B	0.1	1	ND	
Silver	3010A/6010B	0.02	5	ND	
Zinc	3010A/6010B	0.5	-	6.7	

* From 40 CFR Part 261, et al., and Federal Register, March 29, 1990 and June 29, 1990.

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	Longview Fibre Paper & Packaging Inc	**Service Request :**	K0608380
Project Name :	Seattle Waste Characterization	**Date Collected :**	09/20/06
Project Number :	NA	**Date Received :**	09/29/06
Matrix :	Sludge	**Date TCLP Performed :**	10/02/06
		Date Extracted :	10/03-23/06
		Date Analyzed :	10/06-24/06

Toxicity Characteristic Leaching Procedure (TCLP)
EPA Method 1311
Metals
Units: mg/L (ppm) in TCLP Extract

Sample Name : Corrugator Starch Sludge
Lab Code : K0608380-003

Analyte	EPA Method	MRL	Regulatory Limit *	Sample Result	Result Notes
Arsenic	3010A/6010B	0.1	5	ND	
Barium	3010A/6010B	1.0	100	ND	
Cadmium	3010A/6010B	0.01	1	ND	
Chromium	3010A/6010B	0.01	5	ND	
Copper	3010A/6010B	0.05	-	ND	
Lead	3010A/6010B	0.05	5	ND	
Mercury	7470A	0.001	0.2	ND	
Selenium	3010A/6010B	0.1	1	ND	
Silver	3010A/6010B	0.02	5	ND	
Zinc	3010A/6010B	0.5	-	ND	

* From 40 CFR Part 261, et al., and Federal Register, March 29, 1990 and June 29, 1990.

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COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	Longview Fibre Paper & Packaging Inc	**Service Request :**	K0608380
Project Name :	Seattle Waste Characterization	**Date Collected :**	NA
Project Number :	NA	**Date Received :**	NA
Matrix :	Sludge	**Date TCLP Performed :**	10/02/06
		Date Extracted :	10/03-23/06
		Date Analyzed :	10/06-24/06

Toxicity Characteristic Leaching Procedure (TCLP)
EPA Method 1311
Metals
Units: mg/L (ppm) in TCLP Extract

Sample Name : Method Blank
Lab Code : K0608380-MB

Analyte	EPA Method	MRL	Regulatory Limit *	Sample Result	Result Notes
Arsenic	3010A/6010B	0.1	5	ND	
Barium	3010A/6010B	1.0	100	ND	
Cadmium	3010A/6010B	0.01	1	ND	
Chromium	3010A/6010B	0.01	5	ND	
Copper	3010A/6010B	0.05	-	ND	
Lead	3010A/6010B	0.05	5	ND	
Mercury	7470A	0.001	0.2	ND	
Selenium	3010A/6010B	0.1	1	ND	
Silver	3010A/6010B	0.02	5	ND	
Zinc	3010A/6010B	0.5	-	ND	

* From 40 CFR Part 261, et al., and Federal Register, March 29, 1990 and June 29, 1990.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client :	Longview Fibre Paper & Packaging Inc	**Service Request :**	K0608380
Project Name :	Seattle Waste Characterization	**Date Collected :**	09/20/06
Project Number :	NA	**Date Received :**	09/29/06
Matrix :	Sludge	**Date TCLP Performed :**	10/02/06
		Date Extracted :	10/03-23/06
		Date Analyzed :	10/06-24/06

Matrix Spike Summary
Toxicity Characteristic Leaching Procedure (TCLP)
EPA Method 1311
Metals
Units: mg/L (ppm) in TCLP Extract

Sample Name : Corrugator Starch Sludge
Lab Code : K0608380-003S

Analyte	Spike Level	Sample Result	Spiked Sample Result	Percent Recovery*	Result Notes
Arsenic	5.0	ND	5.1	102	
Barium	10	ND	10.2	102	
Cadmium	1.0	ND	1.01	101	
Chromium	5.0	ND	4.96	99	
Copper	20	ND	19.2	96	
Lead	5.0	ND	4.92	98	
Mercury	0.005	ND	0.005	100	
Selenium	1.0	ND	1.0	100	
Silver	1.0	ND	0.95	95	
Zinc	20	ND	19.8	99	

* From 40 CFR Part 261, et al., and Federal Register, March 29, 1990 and June 29, 1990.

Columbia Analytical Services Inc.
Cooler Receipt and Preservation Form

PC 67

Project/Client LV paper Packaging Service Request K06 0838O

Cooler received on 9/29/06 and opened on 9/29/06 by A. Jurell

1.	Were custody seals on outside of coolers?				(Y)	N
	If yes, how many and where? 1F, 1B					
2.	Were custody seals intact?				(Y)	N
3.	Were signature and date present on the custody seals?				(Y)	N
4.	Is the shipper's airbill available and filed? If no, record airbill number:				(Y)	N
5.	COC#					
	Temperature of cooler(s) upon receipt: (°C)	14.1				
	Temperature Blank: (°C)	13.6				
	Were samples hand delivered on the same day as collection?				Y	(N)
6.	Were custody papers properly filled out (ink, signed, etc.)? 1 COC not signed				Y	(N)
7.	Type of packing material present thaw warm gel pks, sleeves					
8.	**Did all bottles arrive in good condition (unbroken)?**				(Y)	N
9.	Were all bottle labels complete (i.e analysis, preservation, etc.)?				(Y)	N
10.	Did all bottle labels and tags agree with custody papers?				Y	(N)
11.	**Were the correct types of bottles used for the tests indicated?**				(Y)	N
12.	Were all of the preserved bottles received at the lab with the appropriate pH?				(Y)	N
13.	Were VOA vials checked for absence of air bubbles, and if present, noted below?				~~Y~~	~~N~~
14.	Were the 1631 Mercury bottles checked for absence of air bubbles, and if present, noted below?				~~Y~~	~~N~~
15.	Did the bottles originate from CAS/K or a branch laboratory?				(Y) or	(N)
16.	**Are CWA Microbiology samples received with >1/2 the 24hr. hold time remaining from collection?**				~~Y~~	~~N~~
17.	Was C12/Res negative?				~~Y~~	~~N~~

Explain any discrepancies: Added "Roof drain" time of 1510 to COC.
Did not rec. COC for Sludge Samples

RESOLUTION:

Samples that required preservation or received out of temperature:

Sample ID	Reagent	Volume	Lot Number	Bottle Type	Rec'd out of Temperature	Initials

00019

Longfibre **Longview Fibre Company**

CONTAINER GROUP
5901 East Marginal Way S. • Seattle, WA 98134
P.O. Box 24867 • Seattle, WA 98124
Phone (206) 762-7170 • Fax (206) 767-2442 • www.longviewfibre.com

FAX COVER SHEET

Date: 11/9/06

From: Mike Anderson

To: Dave Meindenhall

Company: LVCo

Fax Number: 360) 575-6110

Total number of pages (including this cover sheet): 21

Please ( ) do ( ) do not call to confirm receipt of this fax.

If you do not receive all the pages indicated, please contact us at (206) 762-7170

Subject: This years test results for Beckart cakes,

Message: Corrugator starch sludge + Flexo ink sludge

Good morning Dave,

I also ~~had~~ included a copy of our permit.

Thanks, Mike A.

Columbia Ridge Landfill Generator's Recertification

Permit Number: 489668

		YES	NO	N/A
1.	Is the waste represented by this waste profile sheet a "Hazardous Waste" as Defined by USEPA, Canadian, Mexican and/or state/providence regulation, in the location where generated or ultimately managed?		X	
2.	Does the waste represented by this waste profile sheet contain regulated radioactive material or regulated concentration of Polycholrinated Biphenyl's (PCB's).		X	
3.	Does this waste profile sheet and all attachments contain true and accurate descriptions of the waste material?	X		
4.	Has all relevant information within the possession of the Generator regarding known or suspected hazards pertaining to the waste been disclosed to the Contractor?	X		
5.	Is the analytical data attached hereto derived from testing a representative sample in accordance with 40 CFR 261.209(c) or equivalent rules?	X		
6.	Will all changes that in occur in the character of the waste be identified by the Generator and disclosed to the Contractor prior to providing the waste to the Contractor?	X		
7.	Has the process generating the waste been changed for the above referenced profile?		X	

Generators Signature: X [signature] Title: X Plant Mngr.

Name(Type or Print): X Becky Campbell

Company Name: X Longview Fibre Company Date: X 5-20-05

Waste Management Decision

Precautions, Special Handling: _____

Special Waste Decisions: _____

Environmental Specialist Signature: _____ Date: _____

Please note any changes to contact names, phone or fax number in space below

Environmental Contact: Mike Anderson

Longview Fibre Company

Fax

To:	Monique	**From:**	Mike Anderson
Fax:	206)658-8340	**Pages:**	2
Phone:		**Date:**	06/02/05
Re:	Landfill generator's recertification	**CC:**	

☐ **Urgent** X **For Review** ☐ **Please Comment** ☐ **Please Reply** ☐ **Please Recycle**

• **Comments:** Please give me a call at 206) 762-7170 if you have any questions. Thanks for your help, Mike A.

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	0368
CONNECTION TEL	15034937822
SUBADDRESS	
CONNECTION ID	WASTE MANAGEMENT
ST. TIME	05/20 10:38
USAGE T	02'08
PGS. SENT	4
RESULT	OK

Fax 503-408-2687
206/658-8340
Monique

53169
Sharron
@
Waste Man.
206/505-9057
~~4043~~
Sharron fax
658 8340

~~Stpptn~~

Fax

To:	Kristin Castner	**From:**	Mike Anders
Fax:	(503) 493-7822	**Pages:**	4
Phone:		**Date:**	05/20/05
Re:	Landfill generator's recertification	**CC:**	

Alsaka Street Dump.
site Missy Boone
425) 766-3168

☐ **Urgent** X **For Review** ☐ **Please Comment** ☐ **Please Reply** ☐ **Please Recycle**

• **Comments:** Please give me a call at (206) 762-7170 if you have any questions. Thanks for your help, Mike A.

To: Heidi

Company: Waste Management

Fax Number: 503) 493-7822

Total number of pages (including this cover sheet): 15

Please ( ) do (✓) do not call to confirm receipt of this fax.

If you do not receive all the pages indicated, please contact us at (206) 762-7170

Subject: Landfill generator's recertification

Message: Hi Heidi, these are the analytical reports we talked about today. Included are (1) Beckart Water Treatment Cake. (This is what we currently send to you - You pick up). (2) Corrugator Starch Sludge. On occasion we ~~will~~ would like to include, we would notfie you before pick up. (3) Flexo ink sludge. This would only be very ~~of~~ rarely, say once a year. And again we would notfie you before pick up. Please give me a call if you have any questions 206) 762-7170.

Thank you for your help,

Mike Anderson

06/30/2005 15:05 FAX 206 767 2442 LONGVIEW FIBRE - SEATTLE 001

TRANSMISSION OK

TX/RX NO	1522
CONNECTION TEL	15034937822
SUBADDRESS	
CONNECTION ID	WASTE MANAGEMENT
ST. TIME	06/30 14:59
USAGE T	06'28
PGS. SENT	15
RESULT	OK

********** TX REPORT **********

Longfibre **Longview Fibre Company**

CONTAINER GROUP
5901 East Marginal Way S. • Seattle, WA 98134
P.O. Box 24867 • Seattle, WA 98124
Phone (206) 762-7170 • Fax (206) 767-2442 • www.longviewfibre.com

FAX COVER SHEET

Date: 6/30/05

From: Mike Anderson

To: Heidi

Company: Waste Management

Fax Number: 503) 493-7822

Total number of pages (including this cover sheet): 15

Please ( ) do (✓) do not call to confirm receipt of this fax.

If you do not receive all the pages indicated, please contact us at (206) 762-7170

Subject: Landfill generator's recertification

Message: Hi Heidi, these are the analytical reports we talked about today. Included are (1) Beckart Water Treatment Cake. (This is what we currently send to you - You pick up). (2) Corrugator Starch Sludge. On occasion we ~~will~~ would like to include, we would notify you before pick up. (3) Flexo ink sludge. This would only be very ~~oft~~ rarely, say once a year. And again we would notify you before pick up. Please give me a call if you have any questions (206) 762-7170.

Thank you for your help,

Mike Anderson

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	Longview Fibre Company	**Service Request :**	K0500975
Project Name :	Waste Characterization	**Date Collected :**	05/31/05
Project Number :	NA	**Date Received :**	06/09/05
Matrix :	Sludge	**Date TCLP Performed :**	06/14/05
		Date Extracted :	06/15-22/05
		Date Analyzed :	06/17-27/05

Toxicity Characteristic Leaching Procedure (TCLP)
EPA Method 1311
Metals
Units: mg/L (ppm) in TCLP Extract

Sample Name : Beckart Water Treatment Cake
Lab Code : K0500975-001

Analyte	EPA Method	MRL	Regulatory Limit *	Sample Result	Result Notes
Arsenic	3010A/6010B	0.1	5	ND	
Barium	3010A/6010B	1.0	100	1.6	
Cadmium	3010A/6010B	0.01	1	ND	
Chromium	3010A/6010B	0.01	5	ND	
Copper	3010A/6010B	0.05	-	39.8	
Lead	3010A/6010B	0.05	5	ND	
Mercury	7470A	0.001	0.2	ND	
Selenium	3010A/6010B	0.1	1	ND	
Silver	3010A/6010B	0.02	5	ND	
Zinc	3010A/6010B	0.5	-	25.5	

* From 40 CFR Part 261, et al., and Federal Register, March 29, 1990 and June 29, 1990.

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	Longview Fibre Company	**Service Request :**	K0500975
Project Name :	Waste Characterization	**Date Collected :**	05/31/05
Project No. :	NA	**Date Received :**	06/09/05
Matrix :	Sludge	**Date Extracted :**	06/15-17/05

Total Metals

Sample Name :	Beckart Water Treatment Cake	**Units :**	mg/Kg (ppm)
Lab Code :	K0500975-001	**Basis :**	Dry

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Arsenic	7060A	2	06/16/05	ND	
Barium	6010B	2	06/17/05	31	
Cadmium	6010B	2	06/17/05	ND	
Chromium	6010B	4	06/17/05	ND	
Copper	6010B	4	06/17/05	9900	
Lead	7421A	0.8	06/21/05	ND	
Mercury	7471A	0.02	06/21/05	ND	
Selenium	7740	2	06/20/05	ND	
Silver	6010B	4	06/17/05	ND	
Zinc	6010B	4	06/17/05	2520	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client :	Longview Fibre Company	**Service Request :**	K0500975
Project Name :	Waste Characterization	**Date Collected :**	05/31/05
Project Number :	NA	**Date Received :**	06/09/05
Matrix :	Sludge	**Date TCLP Performed :**	06/14/05
		Date Extracted :	06/15-22/05
		Date Analyzed :	06/17-27/05

Matrix Spike Summary
Toxicity Characteristic Leaching Procedure (TCLP)
EPA Method 1311
Metals
Units: mg/L (ppm) in TCLP Extract

Sample Name : Beckart Water Treatment Cake
Lab Code : K0500975-001S

Analyte	Spike Level	Sample Result	Spiked Sample Result	Percent Recovery*	Result Notes
Arsenic	5.0	ND	4.8	96	
Barium	10	1.6	10.5	89	
Cadmium	1.0	ND	0.86	86	
Chromium	5.0	ND	4.38	88	
Copper	10	39.8	48.5	87	
Lead	5.0	ND	4.40	88	
Mercury	0.005	ND	0.005	100	
Selenium	1.0	ND	1.0	100	
Silver	1.0	ND	0.89	89	
Zinc	10	25.5	34.0	85	

* From 40 CFR Part 261, et al., and Federal Register, March 29, 1990 and June 29, 1990.

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	Longview Fibre Company	**Service Request :**	K0500975
Project Name :	Waste Characterization	**Date Collected :**	NA
Project Number :	NA	**Date Received :**	NA
Matrix :	Sludge	**Date TCLP Performed :**	06/14/05
		Date Extracted :	06/15-22/05
		Date Analyzed :	06/23-27/05

Toxicity Characteristic Leaching Procedure (TCLP)
EPA Method 1311
Metals
Units: mg/L (ppm) in TCLP Extract

Sample Name : Method Blank
Lab Code : K0500975-MB1

Analyte	EPA Method	MRL	Regulatory Limit *	Sample Result	Result Notes
Arsenic	3010A/6010B	0.1	5	ND	
Barium	3010A/6010B	1.0	100	ND	
Cadmium	3010A/6010B	0.01	1	ND	
Chromium	3010A/6010B	0.01	5	ND	
Copper	3010A/6010B	0.05	-	ND	
Lead	3010A/6010B	0.05	5	ND	
Mercury	7470A	0.001	0.2	ND	
Selenium	3010A/6010B	0.1	1	ND	
Silver	3010A/6010B	0.02	5	ND	
Zinc	3010A/6010B	0.5	-	ND	

* From 40 CFR Part 261, et al., and Federal Register, March 29, 1990 and June 29, 1990.

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	Longview Fibre Company	**Service Request :**	K0500975
Project Name :	Waste Characterization	**Date Collected :**	NA
Project Number :	NA	**Date Received :**	NA
Matrix :	Sludge	**Date TCLP Performed :**	06/14/05
		Date Extracted :	06/15-22/05
		Date Analyzed :	06/23-27/05

Toxicity Characteristic Leaching Procedure (TCLP)
EPA Method 1311
Metals
Units: mg/L (ppm) in TCLP Extract

Sample Name : Method Blank
Lab Code : K0500975-MB2

Analyte	EPA Method	MRL	Regulatory Limit *	Sample Result	Result Notes
Arsenic	3010A/6010B	0.1	5	ND	
Barium	3010A/6010B	1.0	100	ND	
Cadmium	3010A/6010B	0.01	1	ND	
Chromium	3010A/6010B	0.01	5	ND	
Copper	3010A/6010B	0.05	-	ND	
Lead	3010A/6010B	0.05	5	ND	
Mercury	7470A	0.001	0.2	ND	
Selenium	3010A/6010B	0.1	1	ND	
Silver	3010A/6010B	0.02	5	ND	
Zinc	3010A/6010B	0.5	-	ND	

* From 40 CFR Part 261, et al., and Federal Register, March 29, 1990 and June 29, 1990.

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	Longview Fibre Company	**Service Request :**	K0500975
Project Name :	Waste Characterization	**Date Collected :**	05/31/05
Project Number :	NA	**Date Received :**	06/09/05
Matrix :	Sludge	**Date TCLP Performed :**	06/14/05
		Date Extracted :	06/15-22/05
		Date Analyzed :	06/17-27/05

Toxicity Characteristic Leaching Procedure (TCLP)
EPA Method 1311
Metals
Units: mg/L (ppm) in TCLP Extract

Sample Name : Corrugator Starch Sludge
Lab Code : K0500975-002

Analyte	EPA Method	MRL	Regulatory Limit *	Sample Result	Result Notes
Arsenic	3010A/6010B	0.1	5	ND	
Barium	3010A/6010B	1.0	100	2.3	
Cadmium	3010A/6010B	0.01	1	ND	
Chromium	3010A/6010B	0.01	5	ND	
Copper	3010A/6010B	0.05	-	0.07	
Lead	3010A/6010B	0.05	5	ND	
Mercury	7470A	0.001	0.2	ND	
Selenium	3010A/6010B	0.1	1	ND	
Silver	3010A/6010B	0.02	5	ND	
Zinc	3010A/6010B	0.5	-	3.8	

* From 40 CFR Part 261, et al., and Federal Register, March 29, 1990 and June 29, 1990.

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	Longview Fibre Company	**Service Request :**	K0500975
Project Name :	Waste Characterization	**Date Collected :**	05/31/05
Project No. :	NA	**Date Received :**	06/09/05
Matrix :	Sludge	**Date Extracted :**	06/15-17/05

Total Metals

Sample Name :	Corrugator Starch Sludge	**Units :**	mg/Kg (ppm)
Lab Code :	K0500975-002	**Basis :**	Dry

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Arsenic	7060A	1	06/16/05	ND	
Barium	6010B	1	06/17/05	ND	
Cadmium	6010B	1	06/17/05	ND	
Chromium	6010B	2	06/17/05	ND	
Copper	6010B	2	06/17/05	2.2	
Lead	7421A	0.4	06/21/05	ND	
Mercury	7471A	0.02	06/21/05	ND	
Selenium	7740	1	06/20/05	ND	
Silver	6010B	2	06/17/05	ND	
Zinc	6010B	2	06/17/05	3.4	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	Longview Fibre Company	Service Request :	K0500975
Project Name :	Waste Characterization	Date Collected :	05/31/05
Project Number :	NA	Date Received :	06/09/05
Matrix :	Sludge	Date TCLP Performed :	06/14/05
		Date Extracted :	06/15-22/05
		Date Analyzed :	06/17-27/05

Toxicity Characteristic Leaching Procedure (TCLP)
EPA Method 1311
Metals
Units: mg/L (ppm) in TCLP Extract

Sample Name : Flexo Ink Sludge
Lab Code : K0500975-003

Analyte	EPA Method	MRL	Regulatory Limit *	Sample Result	Result Notes
Arsenic	3010A/6010B	0.1	5	ND	
Barium	3010A/6010B	1.0	100	1.7	
Cadmium	3010A/6010B	0.01	1	0.02	
Chromium	3010A/6010B	0.01	5	ND	
Copper	3010A/6010B	0.05	-	17.9	
Lead	3010A/6010B	0.05	5	ND	
Mercury	7470A	0.001	0.2	ND	
Selenium	3010A/6010B	0.1	1	ND	
Silver	3010A/6010B	0.02	5	ND	
Zinc	3010A/6010B	0.5	-	27.4	

* From 40 CFR Part 261, et al., and Federal Register, March 29, 1990 and June 29, 1990.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Longview Fibre Company
Project Name : Waste Characterization
Project Number : NA
Matrix : Sludge

Service Request : K0500975
Date Collected : 05/31/05
Date Received : 06/09/05
Date TCLP Performed : 06/14/05
Date Extracted : 06/15-22/05
Date Analyzed : 06/29/05

Matrix Spike Summary
Toxicity Characteristic Leaching Procedure (TCLP)
EPA Method 1311
Metals
Units: mg/L (ppm) in TCLP Extract

Sample Name : Flexo Ink Sludge
Lab Code : K0500975-003S

Analyte	Spike Level	Sample Result	Spiked Sample Result	Percent Recovery*	Result Notes
Arsenic	5.0	ND	3.8	76	
Barium	10	1.7	10.7	90	
Cadmium	1.0	0.02	0.88	86	
Chromium	5.0	ND	4.41	88	
Copper	10	17.9	27.4	95	
Lead	5.0	ND	4.43	89	
Mercury	0.005	ND	0.005	100	
Selenium	1.0	ND	1.0	100	
Silver	1.0	ND	0.92	92	
Zinc	10	27.4	36.3	89	

* From 40 CFR Part 261, et al., and Federal Register, March 29, 1990 and June 29, 1990.

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	Longview Fibre Company	**Service Request :**	K0500975
Project Name :	Waste Characterization	**Date Collected :**	05/31/05
Project No. :	NA	**Date Received :**	06/09/05
Matrix :	Sludge	**Date Extracted :**	06/15-17/05

Total Metals

Sample Name :	Flexo Ink Sludge	**Units :**	mg/Kg (ppm)
Lab Code :	K0500975-003	**Basis :**	Dry

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Arsenic	7060A	1	06/16/05	ND	
Barium	6010B	1	06/17/05	87	
Cadmium	6010B	1	06/17/05	ND	
Chromium	6010B	3	06/17/05	ND	
Copper	6010B	3	06/17/05	6630	
Lead	7421A	0.5	06/21/05	2.5	
Mercury	7471A	0.02	06/21/05	ND	
Selenium	7740	1	06/20/05	ND	
Silver	6010B	3	06/17/05	ND	
Zinc	6010B	3	06/17/05	1660	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	Longview Fibre Company	**Service Request :**	K0500975
Project Name :	Waste Characterization	**Date Collected :**	NA
Project No. :	NA	**Date Received :**	NA
Matrix :	Sludge	**Date Extracted :**	06/15-17/05

Total Metals

Sample Name :	Method Blank	**Units :**	mg/Kg (ppm)
Lab Code :	K0500975-MB	**Basis :**	Dry

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Arsenic	7060A	1	06/16/05	ND	
Barium	6010B	1	06/17/05	ND	
Cadmium	6010B	1	06/17/05	ND	
Chromium	6010B	2	06/17/05	ND	
Copper	6010B	2	06/17/05	ND	
Lead	7421A	0.4	06/21/05	ND	
Mercury	7471A	0.02	06/21/05	ND	
Selenium	7740	1	06/20/05	ND	
Silver	6010B	2	06/17/05	ND	
Zinc	6010B	2	06/17/05	ND	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Service Request : K0500975

Client : Longview Fibre Company
Project Name : Waste Characterization
Project No. : NA

Sample Name :	Lab Code :
Beckart Water Treatment Cake	K0500975-001
Beckart Water Treatment Cake	K0500975-001S
Corrugator Starch Sludge	K0500975-002
Flexo Ink Sludge	K0500975-003
Flexo Ink Sludge	K0500975-003S
Method Blank	K0500975-MB1
Method Blank	K0500975-MB2

Comments:

Approved By: _____ Date: 6/29/05

COLUMBIA ANALYTICAL SERVICES, INC.

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client : Longview Fibre Company
Project Name : Waste Characterization
Project No. : NA

Service Request : K0500975

Sample Name :	Lab Code :
Beckart Water Treatment Cake	K0500975-001
Corrugator Starch Sludge	K0500975-002
Flexo Ink Sludge	K0500975-003
Method Blank	K0500975-MB

Comments:

Approved By: _____ Date: 6/29/05

WASTE MANAGEMENT, INC ....NON HAZARDOUS WASTE DISPOSAL SOLUTIONS FOR THE PACIFIC NORTHWEST

Columbia Ridge Landfill

18177 Cedar Springs Lane, Arlington Oregon 97812

Profile # 489668

PERMIT TO DISPOSE OF NON-HAZARDOUS MATERIALS

EXPIRES: 6/13/05

GENERATOR: LONGVIEW FIBER COMPANY

DESCRIPTION: *INDUSTRIAL SLUDGE*	VOLUME: *250 tons*
☒ SPECIAL WASTE ☐ PCS ☐ CLEAN-UP MATERIAL	
LOCATION: *SEATTLE, WASHINGTON*	COUNTY:* *King*
CONTACT: *JAMES MANTELL*	PHONE: *206-762-7170*
Recertification: ☐ Yes ☐ No	

BILLING: *LONGVIEW FIBER CO*	PO#: *N/A*	JOB#: *N/A*

TYPE OF DISPOSAL/ SPECIAL HANDLING/LOAD TYPE:
BULK, ADC/BU AT LANDFILL PERSONNEL DISCRETION, NO FREE LIQUIDS

****

ALL LOADS MUST BE SCHEDULED 24 HOURS IN ADVANCE.
CONTACT GREG AT 541-454-3220 OR JULIE AT 541-454-3310

SALES PERSON: MK TT BR ME MH KN FD

APPROVED: KC *KRISTIN CASTNER* DATE: *08/09/02 10:33:01 AM*

A COPY OF THIS PERMIT MUST BE SHOWN BY EACH DRIVER

WASTE MANAGEMENT

HAZARDOUS WASTE IS STRICTLY PROHIBITED

WASTE MANAGEMENT, INC ....NON HAZARDOUS WASTE DISPOSAL SOLUTIONS FOR THE PACIFIC NORTHWEST

Columbia Ridge Landfill

18177 Cedar Springs Lane, Arlington Oregon 97812

Profile # 489668

PERMIT TO DISPOSE OF NON-HAZARDOUS MATERIALS

EXPIRES: 6/13/05

GENERATOR: LONGVIEW FIBER COMPANY	
DESCRIPTION: *INDUSTRIAL SLUDGE* ☒ SPECIAL WASTE ☐ PCS ☐ CLEAN-UP MATERIAL	VOLUME: *250 tons*
LOCATION: *SEATTLE, WASHINGTON*	COUNTY:* *King*
CONTACT: *JAMES MANTELL*	PHONE: *206-762-7170*
Recertification: ☒ Yes ☐ No	

BILLING: *LONGVIEW FIBER CO*	PO#: *N/A*	JOB#: *N/A*

TYPE OF DISPOSAL/ SPECIAL HANDLING/LOAD TYPE:
BULK, ADC/BU AT LANDFILL PERSONNEL DISCRETION, NO FREE LIQUIDS

****

ALL LOADS MUST BE SCHEDULED 24 HOURS IN ADVANCE.
CONTACT GREG AT 541-454-3220 OR JULIE AT 541-454-3310

SALES PERSON: MK TT BR ME MH KN FD

APPROVED: KC *KRISTIN CASTNER* DATE: *06/13/02 12:21:15 PM*

A COPY OF THIS PERMIT MUST BE SHOWN BY EACH DRIVER

WASTE MANAGEMENT

HAZARDOUS WASTE IS STRICTLY PROHIBITED

300 Fibre Way
Longview, WA 98632
Phone: (360) 575-5570
Fax: (360) 575-6110

Longview Fibre Company

Fax

To:	Jim Mantell	**From:**	Dave Mendenhall
Fax:	206-767-2442	**Date:**	June 12, 2002
Phone:		**Pages:**	2
Re:	Waste Profile	**CC:**	

x **Urgent** ☐ **For Review** ☐ **Please Comment** ☐ **Please Reply** ☐ **Please Recycle**

•Comments:

Jim- Attached is the waste profile that Sonny filed out back in 1998, should be the same.

Dave

Waste Management
206 - 762 - 1152
206 - 658 - 3340 FAX
206 - 505 - 9171 Direct
391 - 9076 Mobile
206 -

Longview Fibre Company

Fax

To:	Kristin Castner	**From:**	Mike Anderson
Fax:	(503) 493-7822	**Pages:**	4
Phone:		**Date:**	05/20/05
Re:	Landfill generator's recertification	**CC:**	

☐ **Urgent** X **For Review** ☐ **Please Comment** ☐ **Please Reply** ☐ **Please Recycle**

• **Comments:** Please give me a call at (206) 762-7170 if you have any questions. Thanks for your help, Mike A.

WASTE MANAGEMENT

Columbia Ridge Landfill
18177 Cedar Springs Lane
Arlington, Oregon 97812

April 5, 2005

Permit Renewal Notice

To: James Mantell
Fax #: 206-767-2442

From: Kristin Castner – Waste Management
Fax #: (503) 493-7822

Total pages including cover sheet – 4891268

Permit # 2

Your permit to dispose at Columbia Ridge Landfill is expiring or has expired. If analytical or an MSDS was supplied with the original application, Waste Management is requiring updated analytical or MSDS information. If you are submitting updated analytical information please include the QA/QC data and the Chain of Custody. Also if there is any change to the waste stream, please contact me at (503) 493-7834, for further information on any additional analysis that may be required to renew the permit for another year.

We are also in the process of updating our Service Agreements and Credit Application. ***If applicable***, could you please fill out and sign the attached paperwork. Fax back to me with the renewal, it would be greatly appreciated.

Please fax renewal back to Kristin at (503) 493-7822. Thank you.

Thank you,

Kcastner

Kristin Castner
Industrial Technical Service Manager
Waste Management Inc.

[redacted] [redacted]

WASTE MANAGEMENT

RECEIVED MAY 05 2005

COLUMBIA RIDGE LANDFILL & RECYCLING CENTER
18177 Cedar Springs Lane
Arlington, OR 97812
(541) 454-2030
(541) 454-3312 Fax

[redacted] 600-0000020-2525

CUSTOMER INFORMATION:
Longview Fibre Co.
5901 E. Marginal Way S.
Seattle, Wa. 98134
Attn: Accts Payable/Lisa Wolfe

(206) 762-3000

ACCOUNT # ~~258091~~

INVOICE #: 9071
DATE: 4/30/2005
PROFILE # 489668
LOCATION: ~~Seattle, Wa.~~
WASTE TYPE: Industrial Sludge

Alaska Street Transfer Facility

SUMMARY OF CHARGES

TOTAL TONS	17.87	TOTAL LOADS	2
DISPOSAL/TRANS/FEES		$35.00/TON	$625.45
TOTAL AMOUNT DUE			$625.45

[redacted]
SEND REMITTANCE TO:

WASTE MANAGEMENT
COLUMBIA RIDGE LANDFILL
PO BOX 78251
PHOENIX, AZ. 85062-8251

Please include your account number a

WE THANK YOU FOR YOUR BUSINE
[redacted]

APPROVED MAY 13 2005

Location Code C3	P.O. NO. N/A
Price OK PT	Shipped 4/11/05
Extension OK PT	Date Rec'd 4/22/05

APPROVALS: pgw

SALES OR USE TAX: Taxable ☐ Partially Taxable ☐ Non-Taxable ☒

ORDER NO.	ACCOUNT NUMBER	SUBLEDGER	TYPE	AMOUNT
	332350666100			625 45